

The Road to Excellence Starts with Safety

Sold To #: 345242		Ship To #: 2492811		Quote #:		Sales Order #: 0902495159				
Customer: NOBLE ENERGY INC E-BUSINESS				Customer Rep: KEVIN Monahan						
Well Name: UPRR Ocoma II		Well #: c31-16		API/UWI #:						
Field:	City (SAP): PLATTEVILLE		County/Parish: WELD		State: COLORADO					
Legal Description:										
Contractor: UNKNOWN				Rig/Platform Name/Num: WORKOVER RIG						
Job BOM: 7528										
Well Type: GAS										
Sales Person: HALAMERICA\HB29087				Srvc Supervisor: Vaughn Oteri						
Job										
Formation Name										
Formation Depth (MD)		Top	Bottom							
Form Type		BHST		150 degF						
Job depth MD		4683ft		Job Depth TVD						
Water Depth				Wk Ht Above Floor						
Perforation Depth (MD)		From	To							
Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		8.625	7.825	36			0	317		0
Tubing		1.25	0.671	3.02			0	4683		0
Open Hole Section			11				317	4683		
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	1.25					Top Plug	1.25		HES	
Float Shoe	1.25					Bottom Plug	1.25		HES	
Float Collar	1.25					SSR plug set	1.25		HES	
Insert Float	1.25					Plug Container	1.25		HES	
Stage Tool	1.25					Centralizers	1.25		HES	
Miscellaneous Materials										
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size
Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name		Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	13.5# Fraccem	FRACCEM (TM) SYSTEM		223	sack	13.5	1.42			6.8
6.80 Gal		FRESH WATER								

HALLIBURTON***Cementing Job Summary***

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	Class G Neat	HALCEM (TM) SYSTEM	366	sack	15.8	1.15			5
5 Gal		FRESH WATER							
Cement Left In Pipe		Amount	ft		Reason		Shoe Joint		
Comment									

1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	PS Pump Press (psi)	DH Density (ppg)	PS Pump Rate (bbl/min)	Comments
Event	1	Call Out	Call Out	6/15/2015	03:45:00	USER				CALL OUT FROM ARS OFFICE
Event	2	Arrive at Rig	Arrive at Rig	6/15/2015	09:30:00	USER				REQUESTED ON LOCATION @1000 ARRIVED ON LOCATION @0930 MET WITH COMPANY REP TO DISCUSS JOB PROCESS AND CONCERNS
Event	3	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	6/15/2015	09:35:00	USER				HELD PRE-RIG UP SAFETY MEETING WITH ALL HES HANDS AND COMPANY REP TO DISCUSS RIG UP AND LIMITATIONS OF THE LOCATION
Event	4	Pre-Job Safety Meeting	Pre-Job Safety Meeting	6/15/2015	10:00:00	USER				HELD PRE-JOB SAFETY MEETING WITH ALL HANDS ON LOCATION TO DISCUSS JOB PROCESS AND HAZARDS
Event	5	Start Job	Start Job	6/15/2015	10:40:13	COM1	2.00	8.46	0.00	PUMPED 1BBL OF WATER TO PRIME LINES
Event	6	Test Lines	Test Lines	6/15/2015	10:42:20	COM1	104.00	8.37	0.00	PRESSURE TESTED PUMPS AND LINES FOUND NO LEAKS AND PRESSURE HELD GOOD
Event	7	Pump Spacer 1	Pump Spacer 1	6/15/2015	10:47:32	COM1	65.00	8.41	0.00	PUMPED WATER TO BREAK CIRCULATION
Event	8	Pump Cement	Pump Cement	6/15/2015	10:51:04	USER	1395.00	13.36	1.30	MIXED 56BBL OF 13.5PPG FRACCEM AT 1.3BPM 1460PSI

Event 9	Comment	Comment	6/15/2015	10:58:17	USER	215.00	14.03	0.00	PRESSURE KICKED OUT, RESET AND STARTED AGAIN
Event 10	Comment	Comment	6/15/2015	11:00:47	USER	55.00	12.54	0.00	PRESSURE KICKED OUT, RESET AND STARTED AGAIN
Event 11	Pump Displacement	Pump Displacement	6/15/2015	11:36:43	COM1	1468.00	13.81	1.30	DISPLACED 1.588BL TO CLEAN LINES
Event 12	Shutdown	Shutdown	6/15/2015	11:38:02	COM1	86.00	10.73	0.00	SHUT DOWN SO THAT RIG COULD PULL PIPE TO 1707 FEET
Event 13	Pump Cement	Pump Cement	6/15/2015	12:38:59	COM1	-3.00	15.99	1.20	MIXED 366SKS OR 75BBL OF 15.8PPG G-NEAT CEMENT AT 1.88PM 1192PSI
Event 14	Check Weight	Check weight	6/15/2015	12:39:58	COM1	866.00	15.99	1.80	CONFIRM WEIGHT ON SCALES
Event 15	End Job	End Job	6/15/2015	13:23:29	USER	20.00	16.35	0.00	